

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K38/20 A61P1/16

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	KOVALOVICH K ET AL: "Interleukin-6 protects against Fas-mediated death by establishing a critical level of anti-apoptotic hepatic proteins FLIP, Bcl-2, and Bcl-xL." THE JOURNAL OF BIOLOGICAL CHEMISTRY. 13 JUL 2001, vol. 276, no. 28, 13 July 2001 (2001-07-13), pages 26605-26613, XP002329591 ISSN: 0021-9258	1-5, 19-23, 41-48, 51-54
Y	abstract page 26606, right-hand column, paragraph 2 - page 26607, left-hand column, paragraph 1 page 26608, left-hand column, last paragraph - page 26610, right-hand column, paragraph 1 ----- -/--	1-58

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

31 May 2005

Date of mailing of the international search report

10/06/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Mateo Rosell, A.M.

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	KOVALOVICH KELLEN ET AL: "Increased toxin-induced liver injury and fibrosis in interleukin-6-deficient mice" HEPATOLOGY, vol. 31, no. 1, January 2000 (2000-01), pages 149-159, XP008047616 ISSN: 0270-9139	1-5, 19-23, 41-48, 51-54
Y	abstract page 150, left-hand column, paragraph 3 - right-hand column, paragraph 1 page 152, right-hand column, paragraph 1 - page 154, right-hand column, paragraph 1 -----	1-58
X	CRESSMAN DREW E ET AL: "Liver failure and defective hepatocyte regeneration in interleukin-6-deficient mice" SCIENCE (WASHINGTON D C), vol. 274, no. 5291, 1996, pages 1379-1383, XP008047739 ISSN: 0036-8075	1-5, 19-23, 41-48, 51-54
Y	abstract page 1380, left-hand column, paragraph 1 - page 1381, right-hand column, paragraph 1 page 1383, right-hand column, paragraph 1 -----	1-58
X	PETERS M ET AL: "Combined interleukin 6 and soluble interleukin 6 receptor accelerates murine liver regeneration." GASTROENTEROLOGY. DEC 2000, vol. 119, no. 6, December 2000 (2000-12), pages 1663-1671, XP002329592 ISSN: 0016-5085	1-5, 19-23, 41-48, 51-54
Y	cited in the application abstract page 1664, left-hand column, paragraph 3 - right-hand column, paragraph 1 page 1665, left-hand column, last paragraph - right-hand column, paragraph 2 -----	1-58
X	WO 99/02552 A (YEDA RESEARCH AND DEVELOPMENT CO. LTD; REVEL, MICHEL; CHEBATH, JUDITH;) 21 January 1999 (1999-01-21) cited in the application	1-5, 19-23, 41-48, 51-54
Y	abstract page 5, lines 1-14 page 27, lines 3-10; example 8 -----	1-58
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>SELZNER MARKUS ET AL: "Ischemia impairs liver regeneration after major tissue loss in rodents: Protective effects of interleukin-6" HEPATOLOGY, vol. 30, no. 2, August 1999 (1999-08), pages 469-475, XP008047615 ISSN: 0270-9139 cited in the application the whole document</p> <p>-----</p>	1-58

INTERNATIONAL SEARCH REPORT

International application No.
PCT/IL2004/001158

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claims 19-58 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IL2004/001158

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9902552	A	21-01-1999	AU 758161 B2	20-03-2003
			AU 8127198 A	08-02-1999
			BG 104070 A	30-11-2000
			BR 9812096 A	18-07-2000
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			EE 200000012 A	15-08-2000
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			JP 2001509371 T	24-07-2001
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			SK 62000 A3	11-07-2000
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			HU 0002426 A2	28-11-2000
